Donut Hummingbird Bonesaw
Derek Tingle, Eli Marschner, Chris Carlson

Description: (see title for details)

Bios: Derek Tingle, Eli Marschner, and Chris Carlson are having a midlife crisis and hiding it well. Two decades after independently mastering slap bracelets, these chums developed a lifelong bond through the discovery of mutual love of waveforms, hoppy brews, stuff, transportation, notices, gestural interfaces, and "Gimme Pizza Slow."

Stanford Laptop Orchestra

The Stanford Laptop Orchestra (SLOrk) is a large-scale, computer- mediated ensemble that explores cutting-edge technology in combination with conventional musical contexts - while radically transforming both. Founded in 2008 by director Ge Wang and students, faculty, and staff at Stanford University's Center for Computer Research in Music and Acoustics (CCRMA), this unique ensemble comprises more than 20 laptops, human performers, controllers, and custom multi-channel speaker arrays designed to provide each computer meta-instrument with its own identity and presence. The orchestra fuses a powerful sea of sound with the immediacy of human music-making, capturing the irreplaceable energy of a live ensemble performance as well as its sonic intimacy and grandeur. At the same time, it leverages the computer's precision, possibilities for new sounds, and potential for fantastical automation to provide a boundary-less sonic canvas on which to experiment with, create, and perform music. Offstage, the ensemble serves as a one-of-a-kind environment and classroom that explores music, computer science, composition, and live performance in a naturally interdisciplinary way.

Acknowledgments

Stanford Laptop Orchestra (SLOrk)
presents
Spring Concert 2012

June 6, 2012, Wednesday 8 p.m.
Dinkelspiel Auditorium, Stanford University

Stanford Laptop Orchestra (SLOrk)

Ensemble
Alberto Lalama | Chris Carlson | Dan Preston | Derek Tingle
Eli Marschner | Hunter McCurry | Ilias Karim | Jiffer Harriman
Jonathan Tilley | Kevin Chau | Lennart Jansson | Ling-Ling Zhang
Mayank Sanganeria | Michael J. Wilson

Directors
Ge Wang, Hongchan Choi, Linden Melvin and Spencer Salazar

Prelude: Pendula
Eli Marschner with SLOrkian monks

a breeze brings…
Scott Smallwood

This "prelude" came about as a result of several mornings of hacking in ChucK. As I listened to the wind chimes outside my door, I began to realize that they were influencing the intuitive process of my experimentations. Before long I had created some algorithmic instruments that sounded rather nice together. This piece grows slowly out of the acoustic soundscape of the space, and then slowly subsides back into it, like a very slow breeze.

"Muted Voices"
Spencer Salazar

Description: Kodachrome blue light, short yellow grass, mottled sky, gnarled oaks; the muted voices in the distance alluded, faintly, to the world without.

Bios: Spencer Salazar is a CCRMA doctoral student at Stanford.

Monorail
Michael J. Wilson

Description: Seven distinct timbres are modified by the performers as a set score is realized. The piece begins with a slowly building section, followed by the introduction of a main theme. It progresses through a second theme, another building section, a fortissimo "solo" section, and concludes with a reprise of the first theme and a build-down section.

Bios: Michael J. Wilson is a Masters student at Stanford's Center for Computer Research in Music and Acoustics. His compositional style reflects his broad range of influences, from classical to "chip" to various types of pop music.

After Hours
2010 Space Orchestra: Alberto Lalama, Dan Preston, Ilias Karim, Kevin Chau with special contributions from Kurt Werner

Description: 1st Movement – Dusk, 2nd Movement – Night, 3rd Movement – Dawn. An exploration on the spatialization of sounds, as the tension after a day's work is gradually unwinding in the after hours.

Bios: Alberto Lalama is a CS and Spanish Literature major. Dan Preston is a master student in computer science. Ilias Karim is a senior undergraduate in Computer Science beginning a coterminal Master of Arts in Music, Science and Technology at CCRMA. Kevin Chau is a Master of Arts student in Music, Science and Technology at CCRMA.

Sparks
Hunter McCurry, Jiffer Harriman, Mayank Sanganeria

Description: What happens when we mix human creativity with the advanced time keeping abilities of the computer? Sparks fly!

Bios: As a group, Hunter, Jiffer and Mayank would spend all day talking about where to eat next. The piece only developed at times when local restaurants were closed for the night.

Modal Bells
Jonathan Tilley, Lennart Jansson, Ling-Ling Zhang

Description: The laptop orchestra turns into a carillon of bells! Each player is responsible for a single pitched bell which they strike at precise times in the style of a handbell choir. The title of the piece, Modal Bells, refers both to the musical score of the piece which features a melody in Lydian-Mixolydian mode, and to the method of modal synthesis used to synthesize the bell sounds.

Bios: Jonathan is currently finishing up his Computer Science major (concentrating in Human Computer Interaction) and working at Apple in Cupertino. He is truly enjoying his first musical performances in a non-vocal musical ensemble. Lennart is a freshman planning on double-majoring in Computer Science and Music. Previously he's just been a classical cellist and composer, but now is always looking for different ways to combine computers and music. Ling-Ling is a Sophomore majoring in Computer Science. This is the first time she has worked with computers and music in combination but has really enjoyed the experience.